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Gates & Cooper LLPHoward Hughes Center
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Los Angeles, California 90045**FAX TRANSMISSION TO USPTO**TO: Commissioner for Patents
Mail Stop AMENDMENT
Patent Examining Corps
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Alexandria, VA 22313-1450FROM: Anthony J. Orler
OUR REF.: PD-01-518
TELEPHONE: (310) 342-5564Total pages, including cover letter: 13PTO FAX NUMBER: 703/872-9306

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Title of Document Transmitted:	AMENDMENT UNDER 37 C.F.R. §1.111 with Replacement Sheet for FIG. 1
Applicant:	Joshua A. Conway et al.
Serial No.:	10/659,882
Filed:	September 11, 2003
Group Art Unit:	2874
Title:	HIGH EXTINCTION RATIO FIBER INTERFEROMETER
Our Ref. No.:	PD-01-518

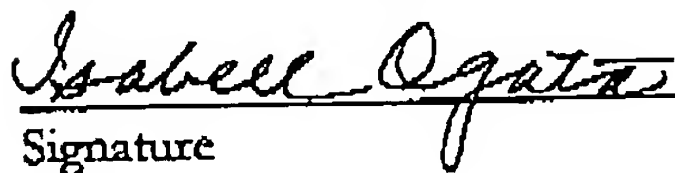
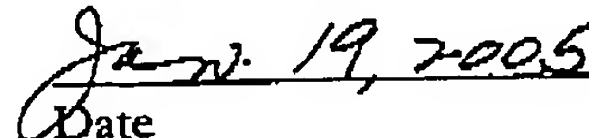
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By: 

Name: Anthony J. Orler

Reg. No.: 47,232

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Signature
Date

Due Date: January 19, 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Joshua A. Conway et al. Examiner: Jerry T. Rahl
 Serial No.: 10/659,882 Group Art Unit: 2874
 Filed: September 11, 2003 Docket: PD-01-518
 Title: HIGH EXTINCTION RATIO FIBER INTERFEROMETER

CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence is being filed via facsimile transmission to the U.S. Patent and Trademark Office on January 19, 2005.

By: 
 Name: Anthony J. Orler

Mail Stop AMENDMENT
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Dear Sir:

We are transmitting herewith the attached:

- ☒ Transmittal sheet, in duplicate, containing a Certificate of Mailing or Transmission under 37 CFR 1.8.
- ☒ Amendment under 37 C.F.R. §1.111.
- ☒ Replacement Sheet for FIG. 1.

CLAIMS PRESENT

Claims Remaining:	Highest Number Previously Paid For:	Number Extra	Rate	Fee
Total Claims				
16	20	0	x \$50.00	\$0.00
Independent Claims				
2	3	0	x \$200.00	\$0.00
MULTIPLE DEPENDENT CLAIM FEE				\$0.00
TOTAL FILING FEE				\$0.00

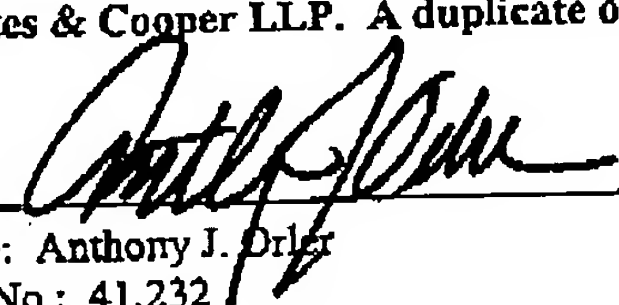
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Howard Hughes Center
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By: 
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JAN 19 2005

Due Date: January 19, 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Joshua A. Conway et al.	Examiner:	Jerry T. Rahl
Serial No.:	10/659,882	Group Art Unit:	2874
Filed:	September 11, 2003	Docket:	PD-01-518
Title:	HIGH EXTINCTION RATIO FIBER INTERFEROMETER		

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Signature:

Anthony J. Oler

AMENDMENT UNDER 37 C.F.R. §1.111

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated October 19, 2004, please amend the above-identified application as follows.